

FORM PTO-1449

U.S. Department of Commerce  
Patent and Trademark OfficeAtty. Docket No.  
P23696Application No.  
10/646,723INFORMATION DISCLOSURE STATEMENT  
BY APPLICANT

(Use several sheets if necessary)

Applicant  
Hiroshi NOMURAFiling Date  
August 25, 2003Group  
2851

## U.S. PATENT DOCUMENTS

EXAMINER INITIAL	DOCUMENT NUMBER	DATE	NAME	CLASS	SUBCLASS	FILING DATE IF APPROPRIATE
a	4 7 6 8 0 4 8	08/30/88	WAKABAYASHI			
a	5 2 6 4 9 3 9	11/23/93	CHANG			

## FOREIGN PATENT DOCUMENTS

DOCUMENT NUMBER	DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

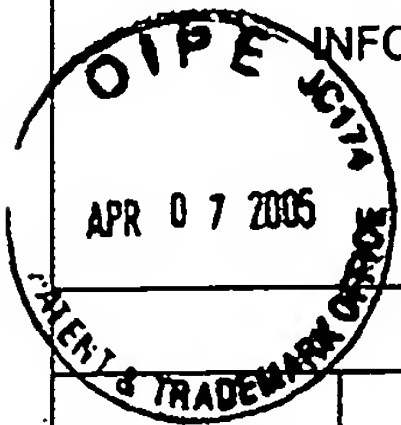
a	1	English Language Translation JP 2000-023002.
a	2	English Language Translation JP 6-308592.
a	3	English Language Translation JP 7-199019.
a	4	English Language Translation JP 5-313226.
a	5	English Language Translation JP 7-295050.
a	6	English Language Translation JP 9-005849.
a	7	English Language Translation JP 2003-114473.

EXAMINER

DATE CONSIDERED Oct 3, 2005

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<i>an</i>		4	7	9	1	4	4	1	12/13/88	NISHI et al.			
<i>an</i>		4	4	5	1	1	2	9	05/29/84	IKARI et al.			
<i>an</i>		3	3	7	7	4	2	7	04/09/68	FISCHER			
<i>an</i>		5	7	1	5	4	8	2	02/03/98	WAKABAYASHI et al.			
<i>an</i>		4	5	9	7	6	5	7	07/01/86	WAKABAYASHI			
<i>an</i>		4	8	4	1	3	2	3	06/20/89	MINORU et al.			
<i>an</i>	2004	0	0	4	2	0	9	2	03/04/04	NOMURA			
<i>an</i>	2004	0	1	4	1	7	3	5	07/22/04	NOMURA			
<i>an</i>	2004	0	0	6	2	5	3	6	04/01/04	NOMURA			
<i>an</i>	2004	0	0	4	2	7	7	6	03/04/04	NOMURA			
<i>an</i>		6	1	8	5	3	7	5	02/06/01	KAZUO			

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		DOCUMENT NUMBER							DATE	COUNTRY	CLASS	SUBCLASS	TRANSLATION YES NO	
<i>an</i>	8	-	3	1	3	7	9	0	11/29/96	JAPAN				
<i>an</i>	6	-	2	3	0	2	6	3	08/19/94	JAPAN				
<i>an</i>	10	-	2	5	4	0	5	4	09/25/98	JAPAN				
<i>an</i>	2003	-	1	4	9	7	2	3	04/18/03	JAPAN				
<i>an</i>	2000	-	0	2	3	0	0	2	01/21/00	JAPAN				
<i>an</i>	6	-	3	0	8	5	9	2	11/04/94	JAPAN				
<i>an</i>	7	-	1	9	9	0	1	9	08/04/95	JAPAN				
<i>an</i>	5	-	3	1	3	2	2	6	11/26/93	JAPAN				
<i>an</i>	7	-	2	9	5	0	5	0	11/10/95	JAPAN				
<i>an</i>		0	9	-	5	8	4	9	01/10/97	JAPAN				
<i>an</i>	61	-	1	3	3	9	3	3	06/21/86	JAPAN				
<i>an</i>	2003	-	1	1	4	4	7	3	04/18/03	JAPAN				
<i>an</i>	2004	-	2	5	7	5	5	5	09/16/04	JAPAN				
<i>an</i>		2	3	9	4	7	8	7	05/05/04	UNITED KINGDOM				

## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

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## OTHER DOCUMENTS (Including Author, Title, Date, Pertinent Pages, Etc.)

<i>Q</i>		1	English language Abstract of JP 8-313790.				
<i>Q</i>		2	English language Abstract of JP6-230263.				
<i>Q</i>		3	English language Abstract of JP10-254054.				
<i>Q</i>		4	English language Abstract of JP2000-023002.				
<i>Q</i>		5	English language Abstract of JP6-308592.				
<i>Q</i>		6	English language Abstract of JP 7-199019.				
<i>Q</i>		7	English language Abstract of JP5-313226.				
<i>Q</i>		8	English language Abstract of JP7-295050.				
<i>Q</i>		9	English language Abstract of JP9-5849.				
<i>Q</i>	1	0	English language Abstract of JP61-133933.				
<i>Q</i>	1	1	English language Abstract of JP2003-114473.				

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